

circumference of the disc, on the rear side of the disc or both.

Claim 3 (twice amended). Static mixer module according to Claim 1, wherein the walls of the inlet channels, of the mixing channels or both are straight and are at an angle α smaller than 15 degrees to the plane defined by the circumference of the disc, on the front side, to the plane defined by the circumference of the disc, on the rear side, or both, and wherein the mixer module has additional spacer contours on the front side, the rear side, or on both.

Claim 4 (twice amended). Static mixer module according to claim 1, wherein the center-lines of the orifices form angles β defining ± 30 degrees to the walls through which they pass.

Claim 5 (twice amended). Static mixer module according to claim 1, wherein the inlet channels, the mixing channels, or both, have a V-shaped, U-shaped, rectangular or trapezoidal cross-sectional profile.

Claim 6 (twice amended). Static mixer module according to claim 1, wherein the mixer module is divided into two or more regions or segments which have differently arranged, differently structured, or both, inlet channels, mixing channels, or both.

Claim 8 (twice amended).

Static mixer module according to claim 6,

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wherein the regions or segments are arranged concentrically about the center point of the mixer module.

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Claim 9 (twice amended). Static mixer module according to claim 6, wherein the spacing between the plane defined by the circumference of the disc, on the front side, and the plane defined by the circumference of the disc, on the rear side of the mixer module is different in the various regions or segments.

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Claim 10 (twice amended). Static mixer module according to claim 1, wherein the module has baffle surfaces on the front side.

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Claim 17 (twice amended). Mixer arrangement according to claim 22, wherein the arrangement of the module and of the static mixer is designed in such a way that the static mixer terminates flush with either the plane defined by the circumference of the disc, on the front side of the segments or regions or the plane defined by the circumference of the disc, on the the rear side of the segments or regions, said plane having the maximum spacing from the other.

Claim 18 (twice amended). Mixer with at least two static mixer modules according to claim 1, in which the mixer modules are installed in a pipe, through which mix flows, in such a way that the front side of one of said at least two mixer modules points in the opposite direction to the direction of flow of the mix.

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Claim 21 (amended). Mixer with a mixer arrangement according to claim 12, in which the mixer arrangement is installed in a pipe, through which mix flows, in such a way that the front side of one of said at least two static mixer elements points in the opposite direction to the direction of flow of the mix.

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Claim 22 (twice amended). Mixer arrangement according to claim 12, comprising at least one module which is divided into two or more regions or segments each of which has different spacings between the orifices or different sizes of orifices, and wherein the spacing between the [planes of] plane defined by the circumference of the module, on the front side and the plane defined by the circumference of the disc, on the rear side of the module is different in the various regions or segments, said module being followed directly by a static mixer element or a disc-shaped static mixer module adapted to engage into a void defined by the boundaries of the module.

REMARKS

This application pertains to a novel static mixer.

Claims 1-15 and 17-22 are pending.

The drawings stand objected to because the channels running concentrically as recited in Claim 1 are not shown. The proposed drawing correction previously